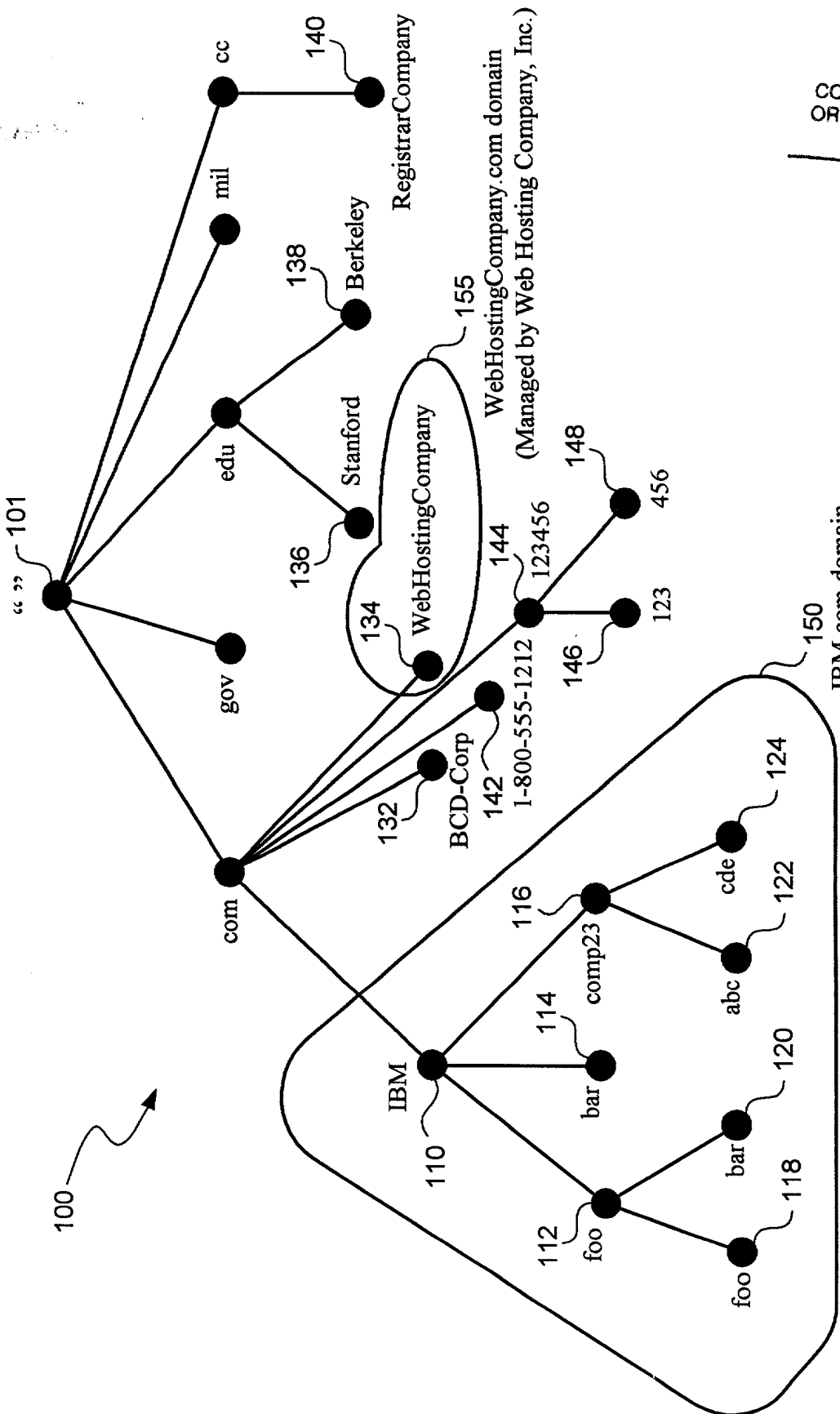


43

FIG. 1 is a schematic diagram of a network topology. The diagram shows a central node 101 connected to several other nodes. Node 101 is connected to nodes 100, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The nodes are arranged in a hierarchical structure, with node 101 at the top and nodes 100-200 at the bottom. The nodes are connected by lines, representing network links. The diagram is labeled "FIG. 1" and "COPY OF PAPERS ORIGINALLY FILED".



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Example Configuration Data File for the Primary Name Server of the foo.IBM.com Zone

205	primary	foo.IBM.com	db.foo.IBM
210	primary	stanford.edu	db.stanford
	...		

**Figure 2A**

Example db.foo.IBM Zone Data File for the foo.IBM.com Zone

foo.IBM.com. IN SOA ns1.WebHostingCompany.com. postmaster.WebHostingCompany.com. (

;;; information for slave name servers

1837	;;; serial number for this version of the zone data file
1800	;;; refresh after 30 minutes
900	;;; retry after 15 minutes
86400	;;; expire after 1 week
1800	;;; minimum Time To Live (TTL) of 30 minutes
)	

;;; name servers for the zone

IN	NS	ns1.WebHostingCompany.com.
IN	NS	bar

;;; mail server

IN	MX	5 mailserver.WebHostingCompany.com.
----	----	-------------------------------------

;;; addresses

@	IN	A	216.23.39.188
foo	IN	A	216.23.39.180
bar	IN	A	216.23.46.83

;;; aliases

smtp	IN	CNAME	@
www	IN	CNAME	@
ftp	IN	CNAME	foo.foo.IBM.com.
bigdaddy	IN	CNAME	bar

**Figure 2B**

Example Partial Zone Data File for the IBM.com Zone

;;; delegation of subzone foo.IBM.com to authoritative name servers for the subzone

foo	86400	IN	NS	ns1.WebHostingCompany.com.
	86400	IN	NS	bar.foo.IBM.com.
bar.foo.IBM.com.	86400	IN	A	216.23.46.83

**Figure 2C**



THE SOURCE FOR .CC DOMAIN NAMES

300

## Register Your .CC Domain Now!

DOMAIN NAME:  .CC

SUBMIT

303

Now offering International  
Character Domains  
CLICK HERE TO REGISTER

域名

LATIN-1 NOW AVAILABLE!

Español  
Deutsch

Français  
and 16 MORE ...

WIN  
UP TO **\$35,000**  
If your site is selected as the  
Best Designed .CC Web Site

Click Here  
For Details

WEB HOSTING  
STARTING AT **\$9.99/mo!**



ENIC HOME

Welcome to the eNIC network information center. We are proud to announce a wealth of domain name services such as faster domain name registration, unmatched technology and domain availability, as well as immediate domain management and editing.

If you have experienced trouble in the past while trying to get your name on the web, you have come to the right place. The .cc TLD makes domain names that were unavailable in the past, now available to you. Register now and find the best domain for your company or personal endeavor.

eNIC provides **FREE** web and email forwarding with a paid domain registration.

**.CC names work worldwide exactly as do .COM names.**

If you have any questions regarding your domain name please email [hostmaster@nic.cc](mailto:hostmaster@nic.cc).

DOMAIN NAME:  .CC

SUBMIT

Type a domain name in the box above to check availability of a .CC domain name and register it.

Interested in receiving commissions for the promotion of .cc domain sales through a banner or with your own registration site? [Join eNIC's Partner Program.](#)



304

NEW NAME



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

[NEW NAME](#) ■ [EDIT DNS](#) ■ [WHO IS?](#)  
[POLICIES](#) ■ [PAYMENTS](#) ■ [FAQ](#) ■ [HOME](#)

Fig. 3A

e|nic

THE SOURCE FOR .CC DOMAIN NAMES

305

☒ REGISTER A NEW NAME

## Select an encoding

309

繁體中文 Chinese (Big 5) Traditional	簡體中文 Chinese (GB) Simplified	日本語 Japanese (SJIS)	日本語 Japanese (EUC)	한국어 Korean (KSC)
Big 5	GB2312	Shift JIS	EUC-JP	KSC5601

### Latin 1 (ISO 8859-1)

Afrikaans

Afrikaans

Shqip

Albanian

Euskara

Basque

Català

Catalan

Dansk

Danish

Nederlands

Dutch

Føroya

Faroese

Suomea

Finnish

Français

French

Deutsch

German

Islensku

Icelandic

Gæilge

Irish

Norsk

Norwegian

Portuguìs

cv/br/ru Portuguese

României

Rhaeto-Romanic

Scotts Gæilge

Scottish

Español

Spanish

Kiswahili

Swahili

Svenska

Swedish

MORE COMING  
SOON!

域名

DOMAINS

á ß ç ö  
û

eDOMAINS



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

Fig. 3B

e|nic

THE SOURCE FOR .CC DOMAIN NAMES

☒ REGISTER A NEW NAME

## Search For a New Domain Name

DOMAIN NAME:  .CC

312

Encoding

iso8859-1

314

SUBMIT

International Domain Name Registration Surcharge:  
Waived

310

[NEW NAME](#) [EDIT DNS](#) [WHO IS?](#)  
[POLICIES](#) [PAYMENTS](#) [FAQ](#) [HOME](#)

域名

DOMAINS

á ß ç ü ö

DOMAINS



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQS



CONTACT



HOME

Fig. 3C

e|nic

THE SOURCE FOR .CC DOMAIN NAMES

☒ REGISTER A NEW NAME

## Search For a New Domain Name

319 { **Warning!** Changing the Encoding Type will reset the cart.  
BIG5 | KSC5601 | ShiftJIS | EUC-J | GB2312

DOMAIN NAME:  .CC

316

Encoding

KSC5601

318

SUBMIT

International Domain Name Registration Surcharge:  
Waived

315

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[POLICIES](#) [PAYMENTS](#) [FAQ](#) [HOME](#)

域名

DOMAINS

á ß ç ö  
û

DOMAINS



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

Fig. 3D

삼성 회사 320

KSC5601: 0xC701 0xB1B9 ~ 322  
Unicode: U+D55C U+AD6D ~ 323  
UTF-5 ACE T55C QD6D ~ 324

Fig. 3E

327


Welcome to NIC.CC - Microsoft Internet Explorer provided by Perkins Coie LLP

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Library Internet Internet Explorer Favorites

Address http://삼정/ko/1cc/filename.html

Internet 2:58 PM



THE SOURCE FOR .CC DOMAIN NAMES

## Register Your .CC Domain Now!

DOMAIN NAME

**Now offering International Character Domains** **域名**  
CLICK HERE TO REGISTER

**WITH \$35,000**  
If your site is selected as the Best Designed .CC Web Site

**LATIN-1 NOW AVAILABLE!**  
Español Français Deutsch and 16 MORE...

☐ **WEB HOSTING**  
STARTING AT \$9.99/mo!

**eNICHONE**

Welcome to the eNIC network information center. We are proud to announce a wealth of domain name services such as faster domain name registration, unmatched technology and domain availability, as well as immediate domain management and editing.

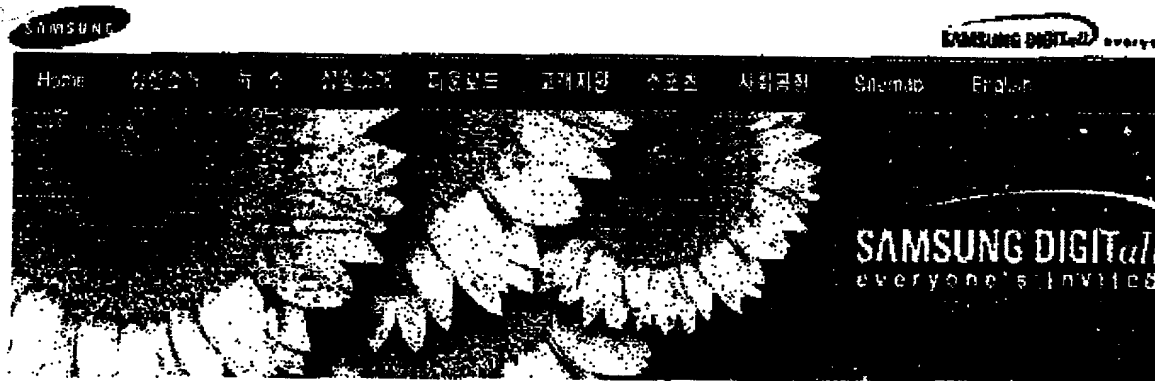
If you have experienced trouble in the past while trying to get your name on the web, you have come to the right place. The .cc TLD makes domain names that were unavailable in the past, now available to you. Register now and find the best domain for your company or personal endeavor.

eNIC provides **FREE** web and email forwarding with a paid domain registration.

[NEW PAGE](#) [EDIT THIS](#) [WHO IS?](#) [POLICIES](#) [PAYMENT](#) [FAQ'S](#) [CONTACT](#) [HOME](#)

Fig. 3F





# all samsung websites

검색

### 삼성전자, 세계 최대의 삼성 디지털 행사 개최



삼성전자는 9월 6일부터 10일까지 서울 삼성동 코엑스에서 '2000년 삼성 디지털 행사'를 개최한다. (2000년 9월 6일 / 삼성) [more >>](#)

삼성전자, 세계 최대의 삼성 디지털 행사 개최

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### 삼성전자, 세계 최대의 삼성 디지털 행사 개최



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### 27일은 삼성 디지털 행사 개최



27일은 삼성 디지털 행사 개최 (2000년 9월 27일 / 삼성) [more >>](#)

### 삼성전자, 세계 최대의 삼성 디지털 행사 개최

#### Quick Link

Select

- > 삼성전자
- > 삼성디지털
- > 삼성서비스

### 삼성전자, 세계 최대의 삼성 디지털 행사 개최

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2000-10-

종목	지수
KOSPI	598.45 ▼
KOSDAQ	95.79 .
KOSPI200	74.32 .

Fig. 3G

Example Multilingual Domain Name Registry Database

	337	339
	ASCII And ASCII-Compatible Encoding Domain Names	Registrant
340	alpha.cc	Bob Smith
342	amethyst-rings.cc	Jim Jones
344	:	
346	race.cc	Helen Keller
348	ra--b971b054.cc	Chun Ahn
350	ra--t55cq6d.cc	Doug White
352	reckless.cc	Billy TheKid
	:	

**Fig. 3H**

Example db.CC Zone Data File for a ".CC" Zone

```

cc.           IN      SOA      ns1.nic.cc.           postmaster.nic.cc.      (
;;; information for slave name servers
                        1837          ;;; serial number for this version of the zone data file
                        1800          ;;; refresh after 30 minutes
                        900           ;;; retry after 15 minutes
                        86400         ;;; expire after 1 week
                        1800          ;;; minimum Time To Live (TTL) of 30 minutes
                        )
;;; name servers for the zone
                        IN      NS      ns1.nic.cc.
                        IN      NS      ns2.nic.cc.
                        IN      NS      ns1.globaldns.com.

;;; addresses
@                IN      A      226.23.39.188
alpha            IN      A      225.78.83.242
amethyst-rings  IN      A      178.123.32.138
:
ns1.nic          IN      A      225.31.53.23
:
race             IN      A      225.31.32.45
reckless         IN      A      67.79.35.15
:
*               IN      A      234.71.83.24
  
```

**Fig. 3I**

Example Multilingual Domain Name Binary Variants Database

	362	364	366	368
	Binary Variants	Corresponding Registered Domain Name	Encoding Type	Primary Or Secondary
370	b971b054	ra--b971b054.cc	Big 5	1
371	1b244245453f76	ra--b971b054.cc	JIS	0
372	93649075	ra--b971b054.cc	Shift-JIS	0
373	b5e7d1b6	ra--b971b054.cc	GB2312	0
374	b5e7d38d	ra--b971b054.cc	GB2312	0
375	b971b074	ra--b971b054.cc	Big 5	0
376	c2b971c2b054	ra--b971b054.cc	"Dumb UTF-8"	0
377	c2b971c2b074	ra--b971b054.cc	Lower-cased "Dumb UTF-8"	0
378	c5c5bfd6	ra--b971b054.cc	EUC-JP	0
379	e794b5e8a88a	ra--b971b054.cc	UTF-8	0
380	e794b5e8aeaf	ra--b971b054.cc	UTF-8	0
381	e99bbbe8a88a	ra--b971b054.cc	UTF-8	0
382	e99bbbe8aeaf	ra--b971b054.cc	UTF-8	0
383	eb8ad1b6	ra--b971b054.cc	GB2312	0
384	eb8ad38d	ra--b971b054.cc	GB2312	0
385	efb3e3f2	ra--b971b054.cc	KSC 5601	0
		:		
386	cd38sl93	ra--cd38sl93.cc	KSC 5601	1
		:		

**Fig. 3J**

Example ACE Forwarding Database

	388	389	
	ACE Domain Names	URL Forwarding	
	:		
394	ra--b971b054.cc	228.32.98.20	
396	ra--t55cqd6d.cc	http://www.samsung.com/korean.html	...
	:		

**Fig. 3K**

Domain Registered in Traditional Chinese Big 5

電訊.cc

Traditional Chinese Big 5 (1 variant)

電配

Simplified Chinese GB (4 variants)

電訊 電訊 電訊 電訊

Japanese Shift-JIS (1 variant)

電訊

Japanese JIS (1 variant)

Does not display correctly.

Japanese EUC-JP (1 variant)

電訊

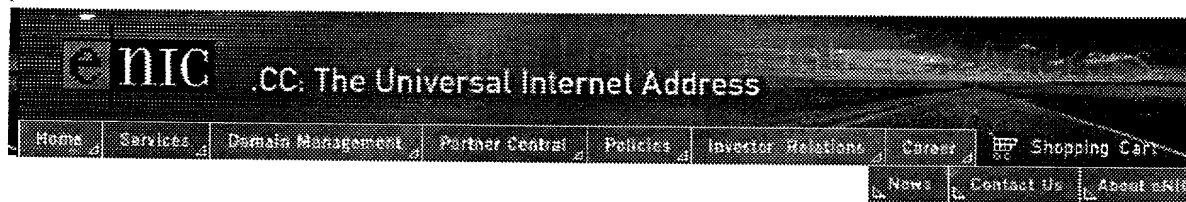
Korean KSC (1 variant)

電訊

UTF-8 (6 variants)

1q°T 1q°t 電訊 電訊 電訊 電訊

*Fig. 3L*



[Register a Domain](#)  
[Multilingual Whois](#)  
[English to CJK Translator](#)  
[Lookup by Reference Code](#)  
[Multilingual INET/FAQ](#)

## English only? Not here!

Pick the language that works for you. We did the work to make it easy. You can register your site in more than 28 active Asian, Middle Eastern and European languages.

**This is not a test. Our system works.**

While some of our competitors provide a "testbed" version of multilingual software, we've delivered a fully-functional system that works for thousands of dot.cc customers.

We provide different forms of the same languages, so you can register your site in traditional and simplified Chinese or different Japanese character sets. We make it easy to ensure that all variants of a domain name point to the same site.

**We're bringing the world to the World Wide Web.**

**Select a Language or Encoding to use:**

[Asian](#) | [Arabic](#) | [Hebrew](#) | [European](#) / [African](#) / [Americas](#)

### Asian Language

(Chinese / Japanese / Korean encodings)

繁體中文	简体中文	日本語	日本語	한국어
Chinese	Chinese	Japanese	Japanese	Korean
Big5	GB	SJIS	EUC	KSC
Traditional	Simplified			
Big5	GB 2312	Shift-JIS	EUC-JP	KSC 5601

### Arabic Language

(ISO 8659-6 encoding)

العربية  
Arabic

فارسی  
Persian

اردو  
Urdu

**Fig. 3M**

**Hebrew Language**  
(ISO 8859-8 encoding)

עברית  
Hebrew

יידיש  
Yiddish

**Latin 1 Language**  
(ISO 8859-1 encoding)

**Afrikaans**

Afrikaans

**Euskara**

Basque

**Dansk**

Danish

**Føroya**

Faroese

**Français**

French

**Íslensku**

Icelandic

**Italiano**

Italian

**Português**

cv/br/pt Portuguese

**Scotts Gæilge**

Scottish

**Kiswahili**

Swahili

**Shqip**

Albanian

**Català**

Catalan

**Nederlands**

Dutch

**Suomea**

Finnish

**Deutsch**

German

**Gæilge**

Irish

**Norsk**

Norwegian

**României**

Rhaeto-Romanic

**Español**

Spanish

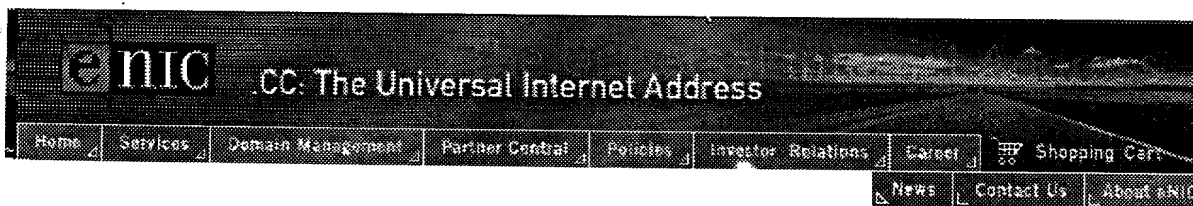
**Svenska**

Swedish

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*Fig. 3N*



Satisfied Customers

**.CC**  
**Works**  
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Testimonials

### Search For a New Domain Name

[Arabic](#) [Chinese Simplified](#) [Chinese Traditional](#) [Hebrew](#)  
[Japanese EUC JP](#) [Japanese S JIS](#) [Korean](#) [Latin 1](#)

*Changing the Encoding Type will reset the shopping cart.*

Encoding Type: KSC5601

.CC

International Domain Name Registration Surcharge: Waived

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**Fig. 30**

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[English to CJK Translator](#)  
[Lookup by Reference Code](#)  
[Multilingual INFO/FAO](#)

### English word to look up

Chinese Simplified (GB 2312)

Chinese Simplified (GB 2312)

**Chinese Traditional (Big 5)**

Japanese (EUC-JP)

[Services](#) | [Domain Management](#) | [Partner Central](#) | [Policies](#) | [Investor Relations](#) | [Career](#)

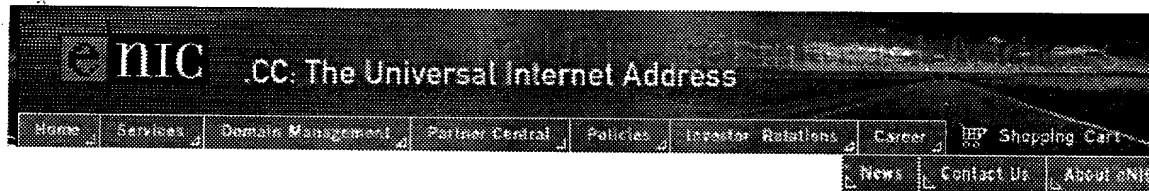
[News](#) | [Contact Us](#) | [About eNIC](#)

[illegible]

**Fig. 3P**

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[Register a Domain](#)  
[Multilingual Whois](#)  
[English to CJK Translator](#)  
[Lookup by Reference Code](#)  
[Multilingual INFO/FAQ](#)

## Search Results for 'application'

Select up to 5 Domain names

[Add to Cart](#)

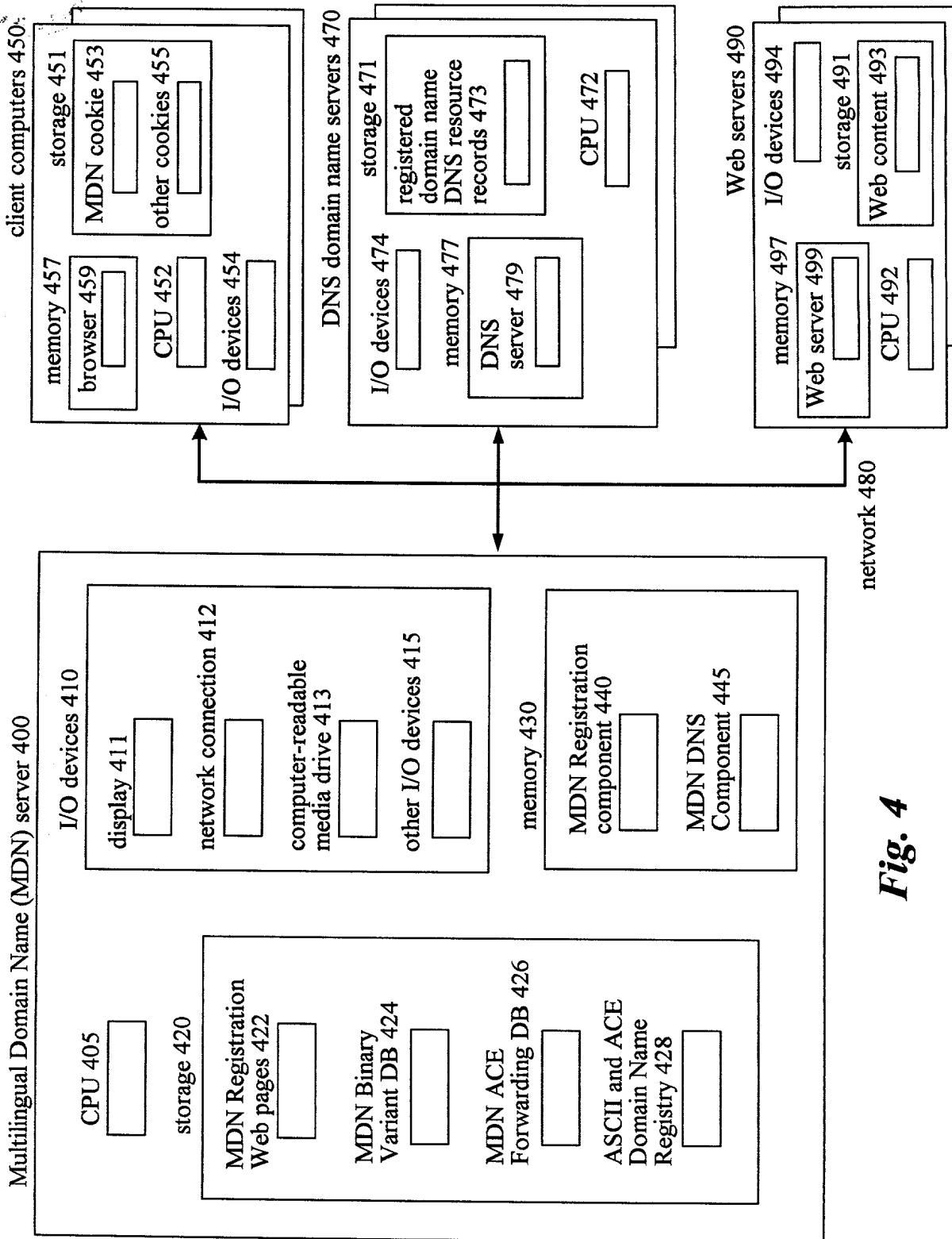
<input type="checkbox"/>	用途 .cc	application
<input type="checkbox"/>	应用 .cc	application
<input type="checkbox"/>	应用程序 .cc	application
<input type="checkbox"/>	申请书 .cc	application
not available	申请 .cc	application (form, etc.)
<input type="checkbox"/>	应用层 .cc	application layer
<input type="checkbox"/>	应用平台 .cc	application platform
<input type="checkbox"/>	应用程序介面 .cc	application programming interface
<input type="checkbox"/>	应用软件 .cc	application software
<input type="checkbox"/>	应用软体 .cc	application software
<input type="checkbox"/>	专用集成电路 .cc	application-specific integrated circuit
<input type="checkbox"/>	商业应用 .cc	business application
<input type="checkbox"/>	客户应用 .cc	client application
<input type="checkbox"/>	网络应用 .cc	network application
<input type="checkbox"/>	网路应用 .cc	network application
<input type="checkbox"/>	实际应用 .cc	practical application
not available	招聘 .cc	take job applications
<input type="checkbox"/>	典型用途 .cc	typical application

[Add to Cart](#)

[Clear All](#)

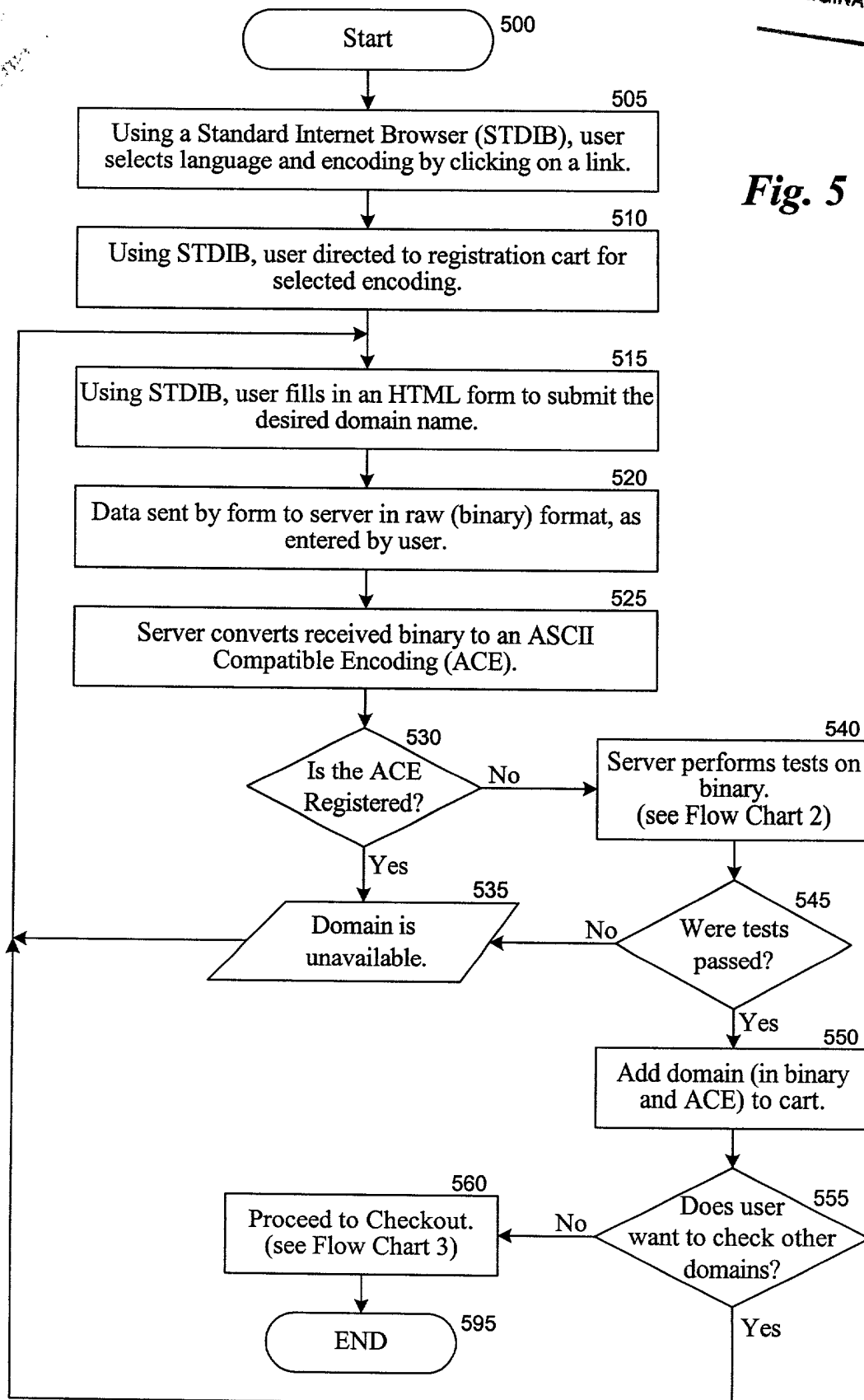
[Services](#) | [Domain Management](#) | [Partner Central](#) | [Policies](#) | [Investor Relations](#) | [Career](#)  
[News](#) | [Contact Us](#) | [About eNIC](#)  
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Fig. 3Q

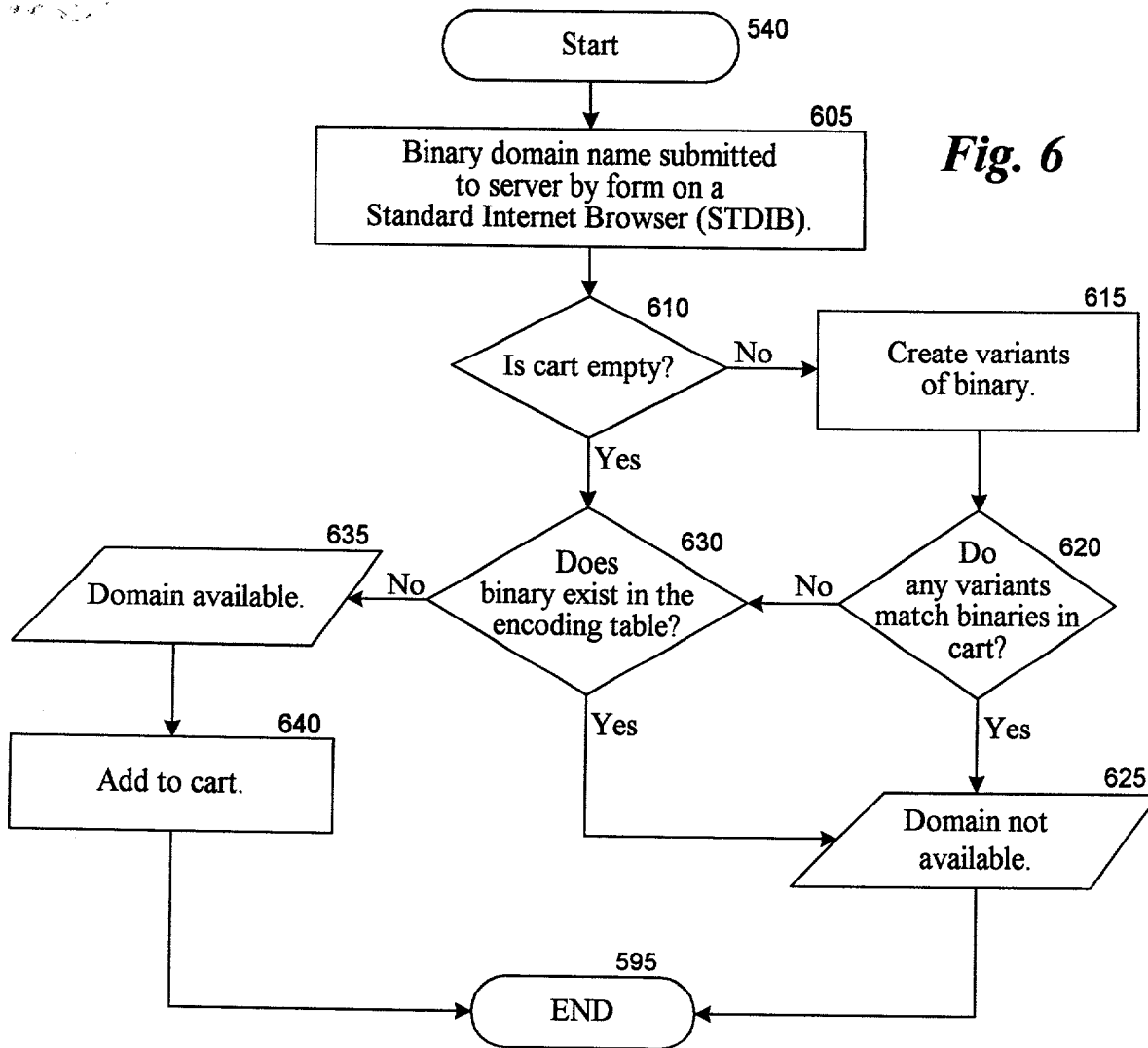


**Fig. 4**

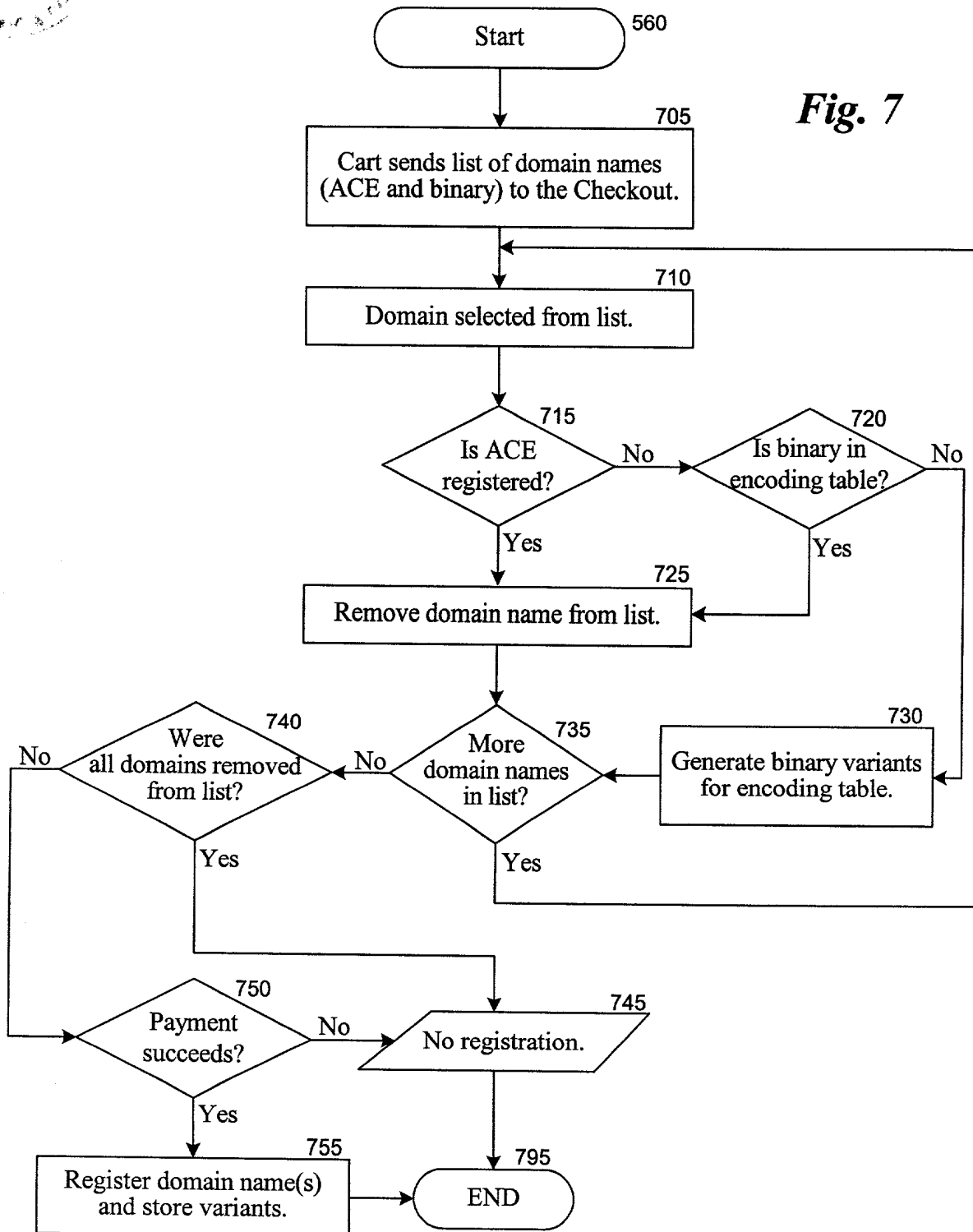
**Fig. 5**

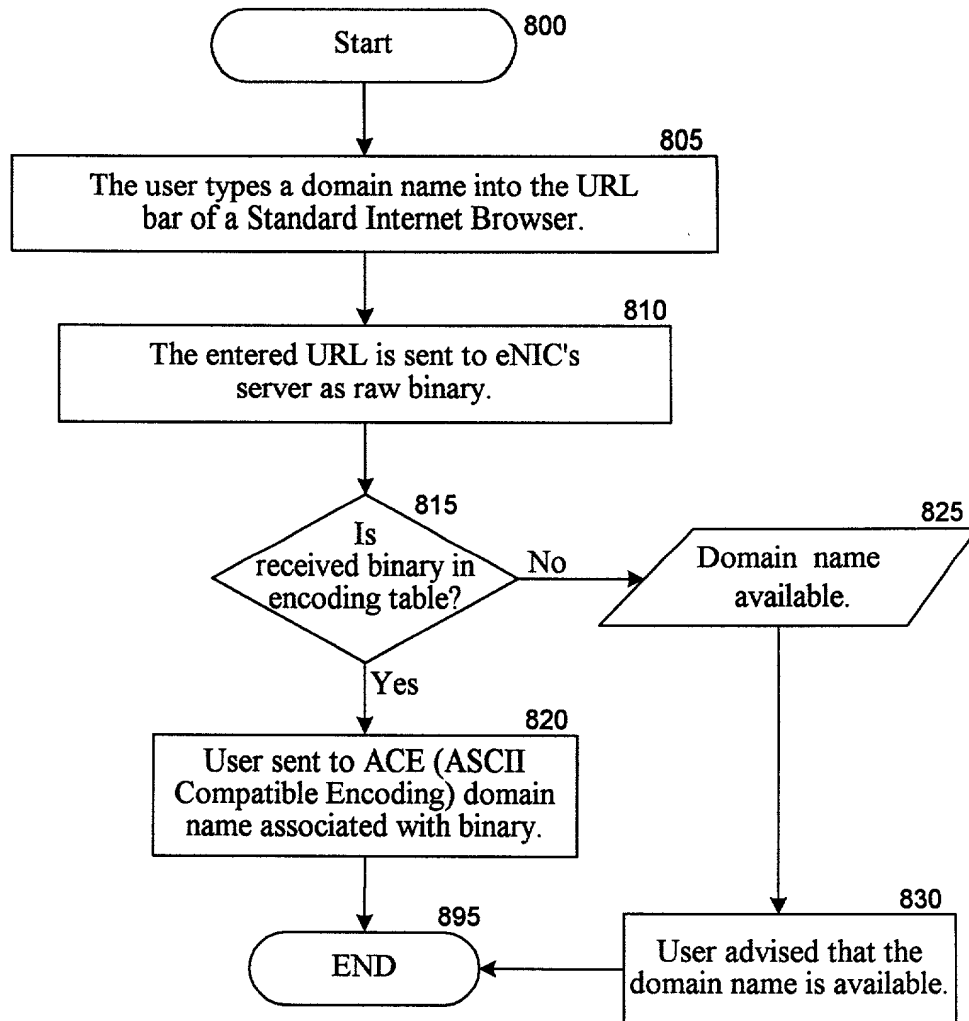


**Fig. 6**



**Fig. 7**





**Fig. 8**